Amendments to the Specification:

Please amend the paragraph at page 16, lines 6-8 as follows:

Carrier frequency: 150MHz ± 15ppm (2.2kHz) (standard Xtal)
Period time of spread code: 1 second
Spread code length: 1,203 ~~tips~~ chips

Please amend the paragraph at page 23, lines 9-17 as follows:

As shown in FIG. 2, the expected signal held in the toggle filter 101 has length corresponding to two ~~tip-times~~ chip-times of the spread code. In the center of the length of the expected signal, toggle point is located where the phase reversed 180 degrees. The expected signal is produced as a model of a waveform of the toggle point expected to be in the carrier of the received signal after spreading the carrier by the spread code, and as a model of a partial waveform around the toggle point.

And please amend the paragraph at page 23, line 18 to page 24, line 12 as follows:

As mentioned above, the expected signal has length corresponding to two ~~tip-times~~ chip-times of the spread code so that it may not include the other toggle point around the toggle point located in the center of the expected signal. In other words, when the expected signal has length corresponding to two ~~tip-times~~ chip-times of the spread code as mentioned above (or the expected signal has length which is shorter than length corresponding to two ~~tip-times~~ chip-times of the spread code), even if a short phase-change point by noise is included in the carrier of the received signal, the phase-change point shown by integral multiple of one chip-time can be detected as the candidate of the toggle point, instead the short phase-change point is detected as the candidate of the toggle point. In addition, a solid line and a dotted line show a real number part (cosine curve) and an imaginary number part (sine curve) of the expected signal respectively. The phase of these curves is shifted 90 degrees. The real number part and the imaginary number part are used as a useful expression for calculating complex number as mathematical technique for signal processing.